

DUPLICATE

PATENT
EMC-01-102CIP1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Michael Kowalchik et al	GROUP ART UNIT:	2187
U.S.S.N.:	10/731,622	CONFIRMATION NO.:	4760
FILING DATE:	December 9, 2003	EXAMINER:	Chace, Christian
		CUSTOMER NO.:	24227
TITLE:	DATA STORAGE DEVICE		

CERTIFICATE OF MAILING OR TRANSMISSION UNDER 37 C.F.R. § 1.8(a)

Transmitted by facsimile on the date shown below to the Patent and Trademark Office at
(703) 872-9306

3/31/05 Rick Valenzola

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE TRANSMITTAL

Sir:

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicant wishes to bring information to the attention of the Examiner. The filing of this statement shall not be construed as a representation that a search has been made or as an admission that this information is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Applicant: Kowalchik, *et al*
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Enclosures

- ☒ A form PTO.SB.08A-Pg1 and/or PTO.SB.08A-Pg2 (formerly PTO-1449) listing this information is attached.
- ☐ A copy of each document cited is enclosed.
- ☒ Copies of the cited documents are not enclosed because they were submitted in the parent application.

Fees

- ☐ This statement is filed before the later of (1) three months of (i) the filing of a national application or (ii) the entry date for the national stage of an international application or (2) the mailing date of a first office action on the merits. No fee is due.
- ☒ This statement is filed before the mailing date of a final office action, a notice of allowance or an action that otherwise closes prosecution, *and*
 - ☒ The submission fee of \$180.00 under 37 C.F.R. §1.17(p) is enclosed, *or*
 - ☐ The following certification is made:
 - ☐ each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement, *or*
 - ☐ no item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 C.F.R. §2.56(c) more than three months prior to the filing of this statement.
- ☐ This statement is filed on or before payment of the issue fee, the submission fee of \$180.00 under 37 C.F.R. §1.17(p) is enclosed, *and*
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designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this statement.

Payment


- ☐ A check in the amount of the submission fee is enclosed.
- ☒ Charge Account No. 05-0889 in the amount of the submission fee. A duplicate of this transmittal sheet is attached.

Authorization to Charge Additional Fees

- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. §1.16 and §1.17 required by the attached paper and during the entire pendency of this application to Account No. 05-0889.

Respectfully submitted,

Date: 3/31/05



Scott A. Ouellette, Esq. (Reg. No. 38,573)
Attorney for Applicant
EMC Corporation
Office of the General Counsel
176 South Street
Hopkinton, MA 01748
Tel: (508) 293-7835
Fax: (508) 293-7189

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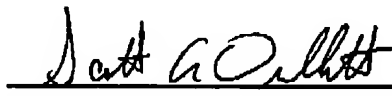
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Attorney for Applicant
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Office of the General Counsel
176 South Street
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/731,622
				Filing Date	December 9, 2003
				First Named Inventor	Michael Kowalchik
				Art Unit	2187
				Examiner Name	Chace, Christian
Sheet	1	of	2	Attorney Docket Number	EMC-01-102CIP1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <i>(if known)</i>			
		US-3,959,778	05/25/76	Brette	
		US-5,195,100	03/16/93	Katz, et al	
		US-5,721,956	02/24/98	Martin et al	
		US-3,754,888	05/19/98	Yang et al	
		US-5,787,466	7/28/98	Berliner	
		US-5,890,207	03/30/99	Sne et al	
		US-5,911,779	6/15/99	Stallmo et al	
		US-5,933,853	08/03/99	Takagi	
		US-6,101,576	08/08/00	Kobayashi et al	
		US-6,389,510	05/14/02	Chen et al	
		US-			
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FOREIGN PATENT DOCUMENTS						
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		Country Code, Number, Kind Code <i>(if known)</i>				

Examiner Signature		Date Considered	
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEND TO: Commissioner For Patents, P.O. Box 1540, Alexandria, VA 22313-1450.

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				First Named Inventor	Michael Kowalchik
				Art Unit	2187
				Examiner Name	Chace, Christian
Sheet	2	of	2	Attorney Docket Number	EMC-01-102CIP

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include Name of Author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		Andrew S. Tannenbaum, Modern Operating Systems, published 2001, pages: 300-306	
		Web Site: http://www.pcwebopaedia.com/TERM/D/disk_cache.html , "Disk Cache", last revised: May 15, 1998 (Publication date unknown)	
		Title: Symmetrix 8000: Product Description Guide	

Examiner Signature		Date Considered	
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